

What is NEW in the 2004 Manual?

The following items have been added or changed in the new 2004 Hoosier Riverwatch Volunteer Stream Monitoring Training Manual. New pages or sections are marked with an asterisk*. A few typos and corrections that need to be made have also been listed.

<u>Page No.</u>	<u>New Item</u>
Inside Front Cover	Listserv - A new way to sign up to receive periodic updates and tips on methods, upcoming conferences & workshops, and grant opportunities
pgs. 1 & 2	New Workshops and Equipment Application: We are no longer offering two levels of workshops, and our 'grants' and now called 'equipment packages'.
pg. 17	For the chemical testing using CHEMetrics kits and test strips, we recommend only doing each chemical test <u>one</u> time
pg. 18*	A Few More Details Before We Get Started... - New page.
pg. 33*	Units of Measurement and Indices - New section.
pg. 34*	Precision and Accuracy - New page: The caption over the Figure should read "Bull's Eye Represents <u>Actual Value</u> ."
pg. 35	The times for completing tests have been updated for the new methods. Last sentence: DNR source-tracking should read <u>DNA</u>
Chapter 4	There are new methods & instructions for: DO, BOD, pH, Nitrate, Nitrite, and Phosphate We did not change instructions for: <i>E. coli</i> , temp Δ , or turbidity Instructions for Hach & GREEN kits can be downloaded from www.Riverwatch.in.gov
pg. 57	The Chemical Monitoring Work Sheet has been revised...the state standards were removed. There is no double line separating the 8 main chemical parameters from extra tests. We added general coliform bacteria and nitrite.
pg. 61	There is now only <u>one</u> chemical data sheet - not a standard and an advanced.
pg. 70*	Rusty crayfish - We are participating in a new crayfish research project. See our website for more information.
pg. 72*	Net spinning caddisfly - You will need to distinguish this type of caddisfly from others only if you utilize the Virginia Save Our Streams multimetric index.
pgs. 93 & 94*	Virginia Save Our Streams multimetric index - examples of other indices that could be used to help interpret your macroinvertebrate data.
pg. 110	Latitude/Longitude - We will be changing/standardizing the units in which Lat/Long should be reported. We will require this information to be in UTM's. This information must be reported for data to be used in mapping and by others, including the state.
Appendix A pg. A-1	Re-supply Policy - To obtain replacement supplies for monitoring equipment, you must meet the requirements of our new re-supply policy. A Supply Request Form can be found at www.Riverwatch.in.gov .
Appendix A pg. A-3	Equipment purchasing information for new and past monitoring equipment has been updated.
Appendix A pg. A-4	We have established 23 monitoring equipment loaner sites throughout the state.
Appendix D	A new appendix containing ranges and averages for the chemical parameters and all the Q-value charts and graphs.
Inside back cover	We added a Metric conversions Table and a mm ruler for measuring macroinvertebrates.